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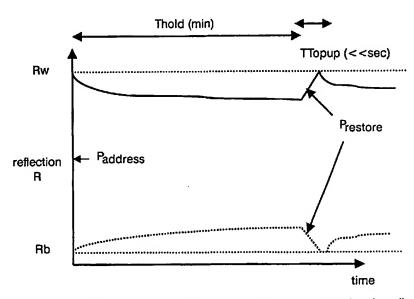
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[Continued on next page]

(54) Title: ELECTROPHORETIC DISPLAY DEVICE AND DRIVING MEANS FOR RESTORING THE BRIGHTNESS LEVEL



(57) Abstract: An electrophoretic display device (1) comprising one pixel (10) with an electrophoretic medium (13), electrodes (6, 7), as well as drive means (4) by which the pixels can be brought into different optical states. Some time (thold) after the application of an addressing pulse (Paddress) for setting the brightness level (Rw, Rb) of a pixel (10), a restore pulse voltage (Prestore) is applied between the electrodes (6,6',7) for restoring the brightness level of a pixel to the set level (Rw, Rb). The restore pulse may be a set of consecutive pulses to bring the drifted brightness level even more smoothly (i.e. less perceivably) back to the original brightness

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/00512

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G09G3/34 G02F1/167							
According to International Patent Classification (IPC) or to both national classification and IPC							
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Minimum do	cumentation searched (classification system followed by classification $6096 - 602F$	raymbolay					
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Documentati	ion searched other than minimum documentation to the extent that su	ch documents are included in the fields sea	rched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)							
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C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with Indication, where appropriate, of the rele	vant passages	Relevant to claim No.				
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, ,	paragraphs [0061]-[0069]; figure	e 8					
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Further documents are listed in the continuation of box C.							
Special categories of cited documents: "T" later document published after the international filing date							
"A" document defining the general state of the art which is not clied to understand the principle or theory underlying the considered to be of particular relevance							
"E" earlier document but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to							
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other means "P" document published prior to the international filing date but "P" document published prior to the international filing date but							
later than the priority date claimed							
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23 May 2003							
Name and mailing address of the ISA Authorized officer							
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk	•					
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Wolfrum, G					

INTERNATIONAL SEARCH REPORT

International application No. PCT/IB 03/00512

Box ! Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)					
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:					
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:					
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows:					
see additional sheet					
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims. .					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.					
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:					
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-3					
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.					

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-3

An electrophoretic display device comprising an applicator means applying, at a time after application of an addressing pulse for setting the brightness level of a pixel, a sequence of restore pulse voltages restoring the brightness level of said pixel.

2. Claims: 1,4-9

An electrophoretic display device comprising a temperature sensor which measures the ambient temperature and an applicator means applying, at a time after application of an addressing pulse for setting the brightness level of a pixel, a restore pulse voltage restoring the brightness level of said pixel, wherein the duration of time period between the addressing pulse and the restore pulse is dependent on the ambient temperature measured by the temperature sensor.

INTERNATIONAL SEARCH REPORT

Intel II Application No PCT/IB 03/00512

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